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(54) Title: METHODS FOR EX-VIVO EXPANDING STEM/PROGENITOR CELLS

(57) Abstract: Methods of ex-vivo expansion of fetal and/or adult progenitor, and umbilical cord blood, bone marrow or peripheral blood derived stem cells in bioreactors for bone marrow transplantation, transfusion medicine, regenerative medicine and gene therapy.

WO 2005/007799 A2